

CACCTUS Workshop

21 April 2004

Location: TTECG
29 Palms, Ca

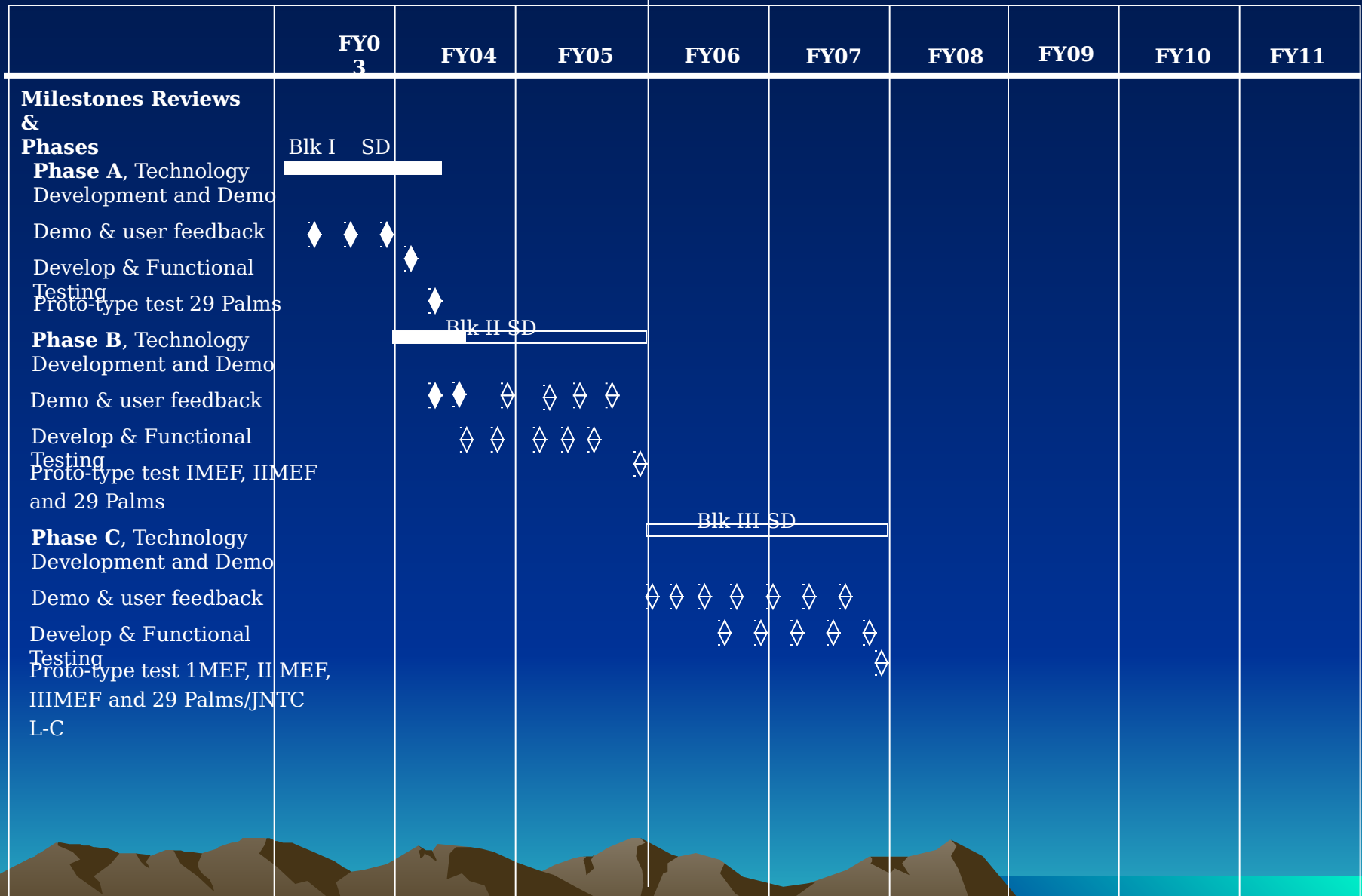
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Program Background

- Milestones:
 - Last: Required Operational Capability, Chg 2, of 11 February 2002
 - Next: B, 4th Qtr/FY04
- IOC: 4thQtr/FY07
- FOC: 4th Qtr/FY09
- AAO:

I MEF	1	MPF	
II MEF	1	NALMEB	
III MEF	2	DMFA	
SMCR		WRMR	
Supt Est	1	Other	
Total	5		

Program Schedule



High-Level Functionality Development and Demonstration

- Scenario Development
 - C2PC Force Laydown
- Simulation Network
- C4I Network
 - IOS (C2PC)
 - AFTDS
- Communication Network
 - Reconfigurable Station
 - Replicates Sincgar
- Aviation Simulation for AH-1W Cobra (conceptual demonstration)*



High-Level Functionality Development and Demonstration

- Operator station
 - Plan Input into system & Coordinate After Action Logging and playback
 - Execution control (FiST input, Fire Orders, Maneuver, OPFOR)
- After Action (limited)*
 - 3D graphical depiction of weapons efforts
 - fire ribbons
 - turn on/off 3D line on display
 - analytical data
- Upgraded Visualization*
 - Team Displays Views
 - Upgraded Large Screen Display

*Transition to One Semi-automated Force Objective

High-Level Development Goals FY04/FY05

- Transition to target Simulation Platform (OneSAF Objective System)
- Incorporate Interoperability Federation Object Model
- Develop additional C4I/COMMS interfaces
- Develop Littoral Environment and models
- Develop Additional Aviation Simulators
- Develop After Action Intelligent Reporting
- Quarterly Development Workshops
 - User Input
 - Evaluation of latest development
 - Scenario Development
- Installation and Acceptance testing of prototype system
 - Site surveys (Lejeune and Pendleton)
 - Sequential Interoperability Testing with 29 Palms
 - 3 Sites Operating Simultaneously

Functionality FY05

- 3 Additional site installations
 - All same baseline
 - Sequential Interoperability Testing with 29 Palms
 - All 3 Sites Simultaneously
- OneSAF Objective System
 - Enhanced Scenario Development
 - Usable Models
 - Integrated Communication with Record & Playback with After Action Review
 - Environment Database Generation inclusive of Littoral Warfare Area
 - Data collection inclusive of C4I Operational Systems
 - Synthetic Environment -weather and its effects, terrain, natural illumination, obscurants
 - Enhanced Operator Station functionality



Functionality 05

- Communications
 - Voice Recognition (Gister)
 - D-DACT and M-DACT
 - Upgrade to Master Control Station (MCS)
 - Tutoring
 - Automated comms plan
 - Selectable external Frequency (site to site)
 - Terrain-based COMMS modeling to include LOS failure, interference, EW
- CACCTUS FOM
 - Demonstrated Interoperability between 29 Palms and ISMT-E
 - JNTC Event (if appropriate)
- After Action Intelligent Reporting System
 - FSC
 - Visualization enhancement



High-Level Development Goals FY06/FY07

- Enhance SAF Models
 - MOUT
 - C4I
 - Model Behaviors
 - Intelligent Role Player Model
 - Mission Rehearsal and Planning
 - Full Automation BLUFOR and OPFOR
 - Enhance Synthetic Environment
 - Dynamic terrain; high resolution
 - Dynamic weather, manmade illumination, improved MOUT terrain, NBC
 - Advanced Littoral
 - Enhanced After Action Capability
 - Support PLI (initial)
 - Baseline Upgrades (Retrofit previously delivered systems)
 - All five sites Interoperability Test
 - Integrated Training Capability with Marine Corps Ground Training Systems
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